

FIG. 1

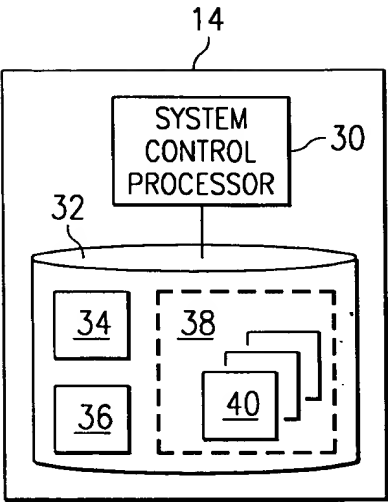


FIG. 2

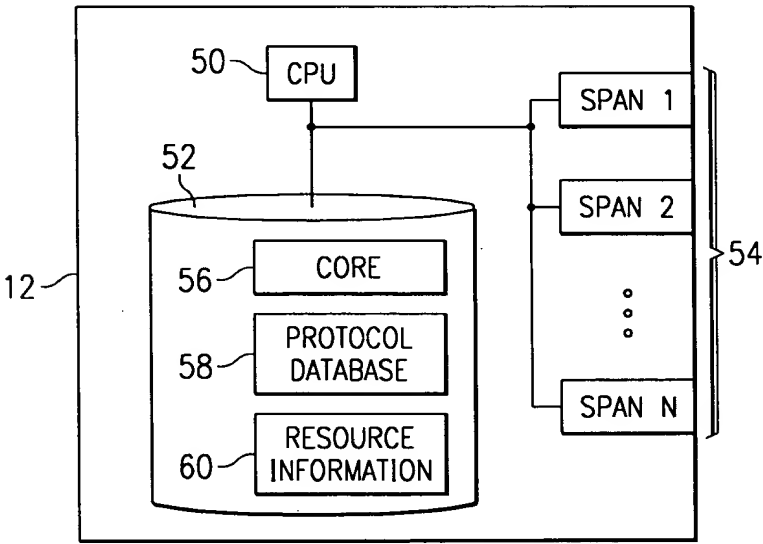


FIG. 3

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| SPAN | PROTOCOL              |
|------|-----------------------|
| 1    | NATIONAL ISDN USER    |
| 2    | NATIONAL ISDN NETWORK |
| ⋮    | ⋮                     |
| N    | 4 ESS                 |

FIG. 4A

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| SESSION ID   | SPAN/BEARER | STATE           |
|--------------|-------------|-----------------|
| 214.555.1234 | 1/1         | CONNECTED       |
| -            | 1/2         | INACTIVE        |
| ⋮            | ⋮           | ⋮               |
| 214.555.8444 | 3/5         | CALL PROCEEDING |

FIG. 4B

FIG. 5

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| STATE           | EVENT      | ACTION           | NEXT STATE      |
|-----------------|------------|------------------|-----------------|
| INACTIVE        | SETUP      | *SETUP_CALL      | SETUP           |
| ⋮               | ⋮          | ⋮                | ⋮               |
| CALL PROCEEDING | ALERTING   | *RING            | CALL PROCEEDING |
| CALL PROCEEDING | CONNECT    | *CONNECT_CALL    | CONNECTING      |
| ⋮               | ⋮          | ⋮                | ⋮               |
| CONNECTED       | DISCONNECT | *DISCONNECT_CALL | DISCONNECTING   |
| ⋮               | ⋮          | ⋮                | ⋮               |

FIG. 6

STATE TABLE

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| STATE                      | NUMBER OF EVENTS | INITIAL EVENT POINTER |
|----------------------------|------------------|-----------------------|
| DEFAULT(0)                 | 2                |                       |
| U0 NULL(1)                 | 2                |                       |
| U1 CALL INITIATED (2)      | 3                |                       |
| U3 OUT CALL PROCEEDING (3) | 4                |                       |
| ⋮                          |                  |                       |

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EVENT TABLE

| EVENT ID      | NEXT STATE            | NUMBER OF FUNCTIONS | INITIAL ACTION POINTER |
|---------------|-----------------------|---------------------|------------------------|
| ⋮             | ⋮                     | ⋮                   | ⋮                      |
| SETUP_IND     | CallPresent (7)       | 3                   |                        |
| SETUP_REQ     | CallInitiated (2)     | 2                   |                        |
| CALL_PROC_REQ | OutCallProceeding (3) | 2                   |                        |
| ALERT_REQ     | CallDelivered (4)     | 2                   |                        |
| ⋮             | ⋮                     | ⋮                   | ⋮                      |

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ACTION TABLE

| ACTION                                       |
|--|
| ⋮  |
| ValidateMsg(CallProceedingMessageDefinition) |
| SendMessageToHost(CALL PROCEEDING)           |
| StartTimer(TIMEOUT T310, T310 DURATION)      |
| StopTimer()                                  |
| ValidateMsg(AlertingMessageDefinition)       |
| SendMessageToHost(ALERTING)                  |
| ⋮  |

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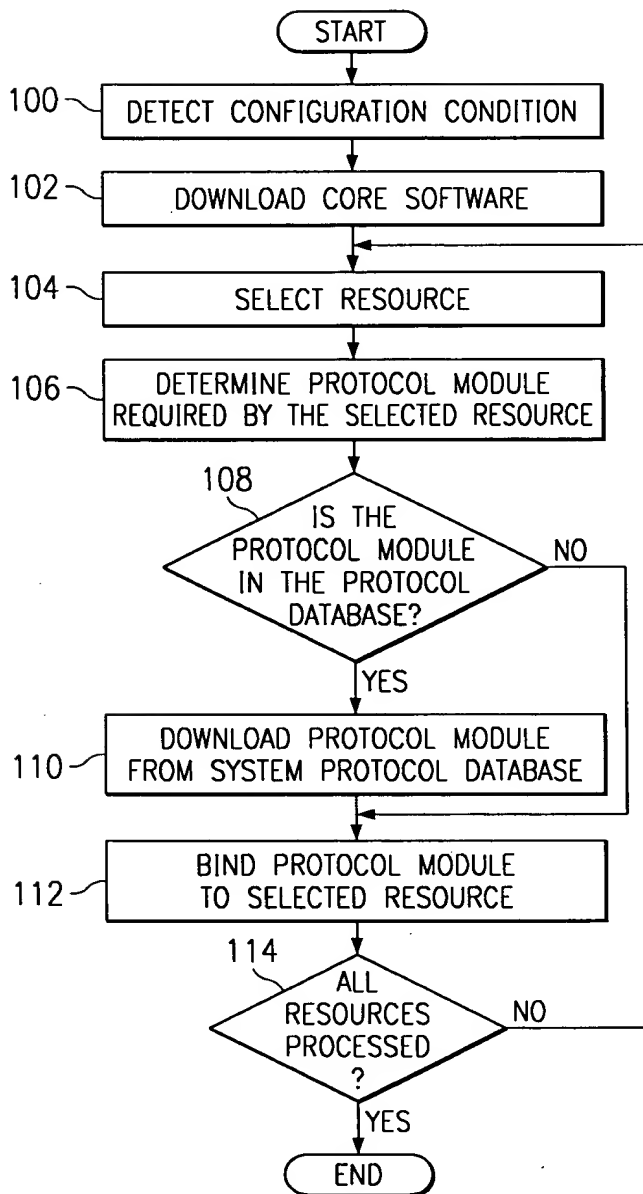


FIG. 7

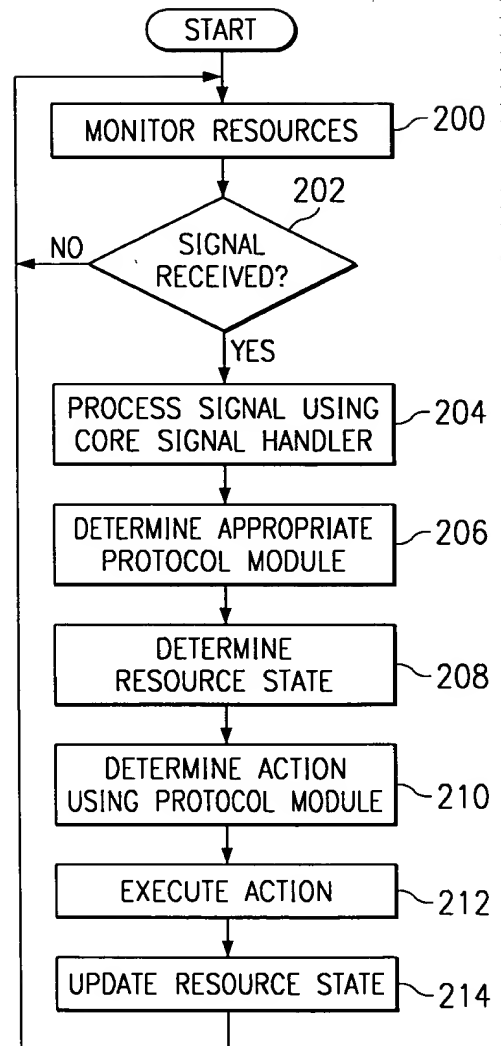


FIG. 8